



MARSHALL STAR

Serving the Marshall Space Flight Center Community

August 5, 2004

Henderson new associate director for management



Henderson

Robin N. Henderson has been appointed associate director for management in the Office of the Director at the Marshall Center. She has been chief operating officer of the National Space Science and Technology Center at Marshall since 2002.

In her new assignment, Henderson will replace Axel Roth who recently retired. She will provide executive leadership in the oversight, review and establishment of management policies.

After beginning her federal career in the

Program Planning and Control Office of the Marshall Center Hubble Space Telescope Office in 1983, Henderson advanced rapidly to positions of increased responsibility, including a one-year detail in the mid-1980s to the Space Station Program Office at NASA Headquarters.

After returning to Marshall she took a position as technical analyst to the manager in the Space Station Projects Office. In 1988, she became assistant to the manager in the Space Systems Projects Office and held several key positions within that organization,

See Henderson on page 3

Engineering reorg by major product line eyed

By Sandra Martel

Developing a new approach for the Marshall Center's engineering function is one of the major tasks of the 11 Configuration Teams which have been meeting since July 19 to define the lower tier of the Center's newly aligned organizational structure.

After detailed analysis and discussion of the alignment objectives and today's environment, the Configuration Teams are recommending to Center management that Marshall engineering functions be organized into departments that focus and align products, said Chris Singer, acting director of Space Transportation Directorate, and co-lead of the Spacecraft and Vehicle Systems Configuration Team. Jack Bullman, manager of the Avionics Department, Engineering Directorate, is also co-lead of the team.

The current Center structure organizes engineering functions along disciplines – for example, stress, thermal and avionics. The new structure would organize engineering functions by major product line: Space Transportation Systems, Propulsion Systems and Components, Space Systems, Scientific Research, and Instrumentation and Experiments.

The internal and external customer base – from science and technology development to human space flight – requires



Photo by David Higginbotham, Marshall Center

Groundbreaking for NASA education center

Dr. Adena Loston, NASA chief education officer, speaks at a groundbreaking July 29 for the Marshall Center and U.S. Space & Rocket Center Education and Training Facility. The facility will house the NASA Educator Resource Center, providing educational support to teachers and training for government employees and contractors. Joining Loston are, from left, U.S. Rep. Bud Cramer, Larry Capps, Space & Rocket Center chief executive officer, David King, Marshall Center director and Jack Lee, chairman of the Alabama Space Science Exhibit Commission and former Marshall director.

integrated engineering solutions, which the current structure has struggled at times to deliver, thus forcing the project to integrate its own engineering activities, Singer said.

“This decision to create product-aligned engineering departments will place the skills, data and tools required to produce a product under the direct control of a department and allow

See Engineering on page 6

Redesign of Space Shuttle external fuel tank underway

Return to Flight update

By Lynnette Madison

NASA is moving ahead with plans to redesign a part of the Space Shuttle external fuel tank that investigators believe played a critical role in the Space Shuttle Columbia accident. The Space Shuttle program will soon begin manufacturing and installing an improved bipod fitting, which connects the external fuel tank to the Shuttle during launch.

A Critical Design Review Board of NASA managers, engineers and aerospace contractors last month approved the new design, a significant milestone in the effort to return the Shuttle to safe flight. The approval allows workers to begin incorporating the new fitting on External Tank No. 120, the tank slated for flight on the next Shuttle mission, designated STS-114.

Investigators believe that during Columbia's launch in January 2003, insulating foam from the bipod area fell off the external tank and damaged the left wing of the Space Shuttle. The new design addresses the Columbia Accident Investigation Board recommendation to reduce the risk to the Shuttle from falling debris during liftoff. It eliminates the foam covering from the bipod fitting and replaces it with four rod-shaped heaters. The heaters will serve the same primary function as the foam, preventing ice buildup on the

tank's bipod fittings.

"This is a fix that really gets to the root of the technical problems that caused the loss of Columbia," said Michael Kostelnik, NASA's Deputy Associate Administrator for International Space Station and Space Shuttle Programs. "By eliminating this debris source, as well as potential debris from other areas, we are making the Shuttle a safer spacecraft."

The External Tank Project Office at the Marshall Center first began developing redesign concepts for the bipod fitting after insulating foam from the left bipod ramp area detached during the October 2002 launch of Space Shuttle Atlantis.

The newly designed heaters will be placed below the fitting, in covers made of a strong alloy composed of nickel, chromium and iron. They will sit on top of a copper plate sandwiched between the fitting and a hard, dense material that separates the heater from the tank.

The design will be retrofitted on the 11 existing tanks and incorporated into the manufacture of all new tanks. Lockheed Martin Space Systems will do the work at NASA's Michoud Assembly Facility in New Orleans. Delivery of the retrofitted tanks to NASA's Kennedy Space Center, Florida, is expected in October.

The writer, an ASRI employee, supports the Media Relations Office.



O'Keefe

Transformation process continues at NASA

A message from NASA Administrator Sean O'Keefe

An unprecedented transformation of NASA's organizational structure occurred Aug. 1, streamlining the agency and putting it in a better position to implement the Vision for Space Exploration.

In June, the President's Commission on Implementation of U.S. Space Exploration Policy found that NASA needed to transform itself into a leaner, more focused agency.

The Commission recognized that to make the Vision a success we needed a more integrated approach to science, management and systems, and mission development. Since we made this announcement in June, we've worked to remove the 'stove pipes' and to streamline the agency in a way that will allow us to support the Vision for Exploration in a more efficient and affordable way.

This transformation fundamentally restructures NASA's strategic enterprises into mission offices. Headquarters support functions also have been realigned to better clarify organizational roles and responsibilities.

We have clarified our relationship with the NASA field centers

by developing clear and straightforward lines of responsibility and accountability. Specific mission associate administrators are now assigned as headquarters center executives and have oversight of field center performance in implementing agency policies and programs.

These changes represent not only the next step in implementing the recommendations of the President's Commission on Implementation of U.S. Space Exploration Policy, they also reflect NASA's ongoing efforts to apply the findings and recommendations of the Columbia Accident Investigation Board across the agency.

For those of you who would like to view the new NASA organization chart, it's available online at: <http://www.nasa.gov/home>

The changes that went into effect Aug. 1 are significant, but our work isn't complete. This transformation will be an ongoing, evolutionary process. As we identify innovative ways to do our jobs better, we'll move forward and implement those changes. This is truly an exciting time to be a part of NASA.

--- Sean O'Keefe, NASA Administrator



Photo by David Higginbotham, NASA/Marshall Center

Parker and Dobbs win 'I Am Set' awards

Andrew Parker, left, gives his mentor, Chip Dobbs, a certificate of appreciation for instructing and assisting in the I Am Set Summer Internship Program which officially ended July 15. Parker worked with Dobbs in the Industrial Property Management Group this summer. Parker learned about computers and checking equipment for safety. He won Student of the Year for his participation in the program and Dobbs won Mentor of the Year. I Am Set is the acronym for Individuals with Abilities in Math, Science, Engineering and Technology.

Team members can discuss Agency topics online

To supplement the Transformation Dialogue shows now being held at various NASA centers and broadcast Agencywide, team members are encouraged to continue those conversations online through the Online Dialogue Forums.

The online forums will allow team members to join the ongoing conversations about the Aldridge Report, the Agency's new organization structure, the Clarity Team Report, the Vision for Space Exploration, or they may start a new topic. The comments posted in the forums will be read and used by the Agency's leadership as guidance for the ongoing transformation efforts.

The first Transformation Dialogue show was held on July 27 and featured top NASA officials. The show is designed to be an open dialogue between Agency leadership and NASA team members — both civil servants and contract employees.

The Marshall Center will host a Transformation Dialogue on Aug. 23 from the Propulsion Research Laboratory at 1 p.m.

Upcoming Transformation Dialogue broadcast topics will include: Organizational Transformation, Alternate Organizational Models, Competency Management, Role of Competition, and Sustaining the Vision Long Term.

To join the online conversation, follow the "Online Dialogue Forum" link on the "Inside NASA" Website: www.insidenasa.nasa.gov.

Henderson

Continued from page 1

including business manager, Upper Stage Projects Office; business manager, Microgravity Projects Office; and deputy manager, Microgravity Projects Office.

In 1997, Marshall became the NASA mission area and lead center for microgravity research and Henderson was appointed to the Senior Executive Service as deputy manager in the newly established Microgravity Research Program

Office.

Henderson's awards include the NASA Exceptional Achievement Medal for outstanding managerial contributions in planning and developing multiple and complex microgravity projects, several NASA Group Achievement Awards, a Special Achievement Award and several Special Services Awards. In 1993, she was the only NASA individual selected from 420 federal and contractor personnel

to attend the 800-hour Program Management Course sponsored by the Department of Defense at the Defense Systems Management College.

In a separate announcement, David King, Marshall Center director, said he will serve as acting manager of the Orbital Space Plane Program Office until it is abolished. Dennis Smith, the former manager, resigned July 30. Robert W. Hughes will assist King in the office's daily operations.



Watts

Former Rep. Watts to speak at symposium

Former U.S. Rep. J.C. Watts of Oklahoma will join others from government, industry and the community on Aug. 24 for a daylong leadership symposium at the Von Braun Center in Huntsville.

The event is sponsored by the Marshall Center. Center Director David King is executive chairman for the symposium that will focus on developing strong leaders who have the knowledge and skills to positively impact society.

The symposium, entitled "Leading in a Time of

Change," is presented by the Marshall Center with participation from its partners and the local community. Go to <http://mi.msfc.nasa.gov/Leadership/index.html> for more information on the conference and how to register.

Other participants include leadership expert John Maxwell; Craig E. Steidle, NASA associate administrator for Space Exploration; William F. Readdy, NASA associate administrator for Space

See Watts on page 6

Engineering Directorate recognizes team members,



Photo by Doug Stoffer, NASA/Marshall Center

Bill Kilpatrick, director of the Engineering Directorate, third from left, congratulates winners of the Engineering Directorate Director's Award. From left are Kathy Kappus, Lisa Blue, Kilpatrick and Jeffery Sparks.

On July 14, more than 250 Marshall team members were recognized for their outstanding contributions during the annual Engineering Directorate Awards Celebration. The event was held on the 90th anniversary of the first patent for a liquid fueled rocket design with nearly 1,100 people attending.

The top award — the Engineering Directorate Director's Award — was given to Lisa D. Blue, Kathy O. Kappus and Jeffery S. Sparks. The award honors team members who have shown extraordinary leadership.

Awards were also presented in the areas of technology achievement and group achievement. Engineering Directorate's customers presented customer service awards to team members and peer awards were given to individuals selected by their peers for dedication to all the Marshall values.

After the awards presentation, the band, 'Wolves a Howlin,' performed while team members enjoyed lunch.

To view a complete listing of all the 2004 Engineering Directorate Awards Celebration award recipients, go to: <http://ed.msfc.nasa.gov/outmsfc/highlights/awards/edawardsday2004/Keepsakeprogram.pdf>



Photo by Emmett Given, NASA/Marshall Center

Lipmon Moy, left, and Glen Jones ice down the water to make sure everyone has plenty to drink at the celebration.



Photos by Doug Stoffer, /Marshall Center

Team members enjoy friends, food and music at the annual awards celebration. Relaxing around the table are, from center to left, Anthony McCoy, Baraka Truss, Carole Sullivan, Mary Smith and Curtis Leslie. On the right side of the table are Geoffrey Burton, Yvette Johnson, Chris Matthews, Valerie Parker and Charles Henderson.



The meal included Moon Pie snack cakes and Milky Way candy bars.

celebrates outstanding contributions and dedication



Photo by Emmett Given, NASA/Marshall Center

Miria Finckenor applauds after Wade Batts sang the National Anthem at the 2004 Engineering Directorate Awards Celebration.



Photo by Emmett Given, NASA/Marshall Center

Bill Kilpatrick, left, director of the Engineering Directorate, draws for a prize winner while Bruce Askins assists him.



Photo by Doug Stoffer, Marshall Center

Teresa Lawson, center, enjoys a Moon Pie while visiting with Donna Hardage, left, and Lisa Blue.

The 'Wolves A Howlin' band entertained team members during the event. Band members are, from left, Curt Lewis on bass, Jim Holland on the banjo, Steve Tucker on the fiddle, Bob White also on the fiddle, and Cathy White on the guitar.



Photo by Doug Stoffer, NASA/Marshall

Engineering

Continued from page 1



Singer

accountability for tasks, analysis and products at the department management level,” Singer said.

“Our current organization places the primary focus on engineering disciplines with products being secondary,” Singer said. “The new structure establishes development and delivery of products as the primary focus, and that strengthens the Center’s ability to deliver engineering services to its customers.”

Not forgotten, Singer said, is the necessity of ensuring the continuing strength of the engineering disciplines. Teams, therefore, have defined a “skill owner” concept to ensure discipline capability. The “skill owner” will be responsible for ensuring discipline strength, i.e., discipline-specific tasks, processes, training and mentoring,

and other responsibilities.

Singer explained that the Configuration Teams have been working fast, but not hurriedly. He said they want to “get it right.”

“The Marshall Center has maintained a strong engineering capability throughout its history, and has been critical in solving many of NASA’s largest technical challenges,” Singer said.

“These changes will improve our visibility to the customer and give us flexibility to respond to customer needs,” Singer said. “This alignment also will help us focus on our unique skills and position us for future work.”

The writer, an ASRI employee, supports the Media Relations Department.

Watts

Continued from page 3

Operations; Alphonso Diaz, NASA Associate Administrator for Science; Jefferson D. Howell, director of the Johnson Space Center; Michael C. Wholley, NASA general counsel; Thomas W. Dortch, president and chief executive officer TWD, Inc; Rex D. Geveden, deputy director of the Marshall Center; Col. Kathryn Sommerkamp, staff judge advocate, Army Missile Command (AMCOM) at Redstone Arsenal; Maj. Gen. James H. Pillsbury, commanding general, AMCOM, Redstone Arsenal; and Tereasa H. Washington, director of the Customer and Employee Relations Directorate for the Marshall Center.

Watts was elected to the U.S. Congress from the 4th District of Oklahoma in 1994. In 1998, he was elected chairman of the Republican Conference, the fourth highest leadership position in the majority party in the Congress.

He now serves as chairman of J.C. Watts Companies and provides strategic focus and program leadership to the firm’s business engagements, alliances and initiatives. He works with clients to implement business development, communications and public affairs strategies. He leads a strategic alliance with Fleishman-Hillard, one of America’s largest public relations firms. Watts also is the chairman of FM Policy Focus, a coalition of leading financial services trade associations.

He also is working with the Business Roundtable to develop a nationwide effort to increase business opportunities in America’s inner cities and poor rural areas.



Photo by Emmett Given, NASA/Marshall Center

West receives Director’s Commendation

Wilda “Dean” West receives a Director’s Commendation from Marshall Center Director David King for her dedication and exemplary performance in medical data collection. West retired July 30 after working for more than 25 years at the Marshall Center Medical Center.

Obituaries

Vincent P. Caruso, 74, of Huntsville, died June 14. Mr. Caruso retired from the Marshall Center in 1987 after working as a structural materials supervisor.

Survivors include his wife, Johanna Castiglia Caruso; three sons, Dr. P. Michael Caruso, Joseph V. Caruso and Gerald L. Caruso, all of Huntsville; two daughters, Margaret C. Powell and Lisa C. Caprio, all of Huntsville; and a brother, Luke Joseph Caruso of Waveland, Miss.

Jean Shelton, 69, of Huntsville, died June 13. Ms. Shelton retired from the Marshall Center in 1990 after working as an aerospace engineer.

Survivors include two brothers, Russell D. Shelton of Moulton and Joe Shelton of Huntsville.

Announcements

Women's Equality Day awards program set for Aug. 26

Outstanding women achievers and their supervisors will be recognized in an Aug. 26 ceremony and also receive a Director's Commendation Certificate. The event, open to all civil service employees and sponsored by the Marshall Center's Federal Women's Program, is being held to commemorate Women's Equality Day. Nominations were due by Aug. 4 for the women achievers and for supervisors who support and recognize women's contributions. See "Inside Marshall" for details or call Billie Swinford at 544-0087.

NASA directives now available

Most NASA directives from the NASA Online Directives Information System (NODIS) Library are now available. Several directives had been removed to allow time for proofing and correcting. One red-lined directive remains unavailable. Go to the NODIS document library at <http://nodis3.gsfc.nasa.gov/>

Central Reproduction adds an after-hours drop box

Central Reproductions has added an after-hours drop box on the door of Room G34, Bldg. 4200. Customers may leave hard copies, CDs, zip disks and memory sticks of the material needed. If a service request has been opened, leave that number with the media. If no service request has been opened, leave the name of the person requesting the material, reproduction requirements and completion date with the media. For after-hours service, call Johnny Hall at 851-7998 or Bruce Weaver at 586-4719 to make overtime arrangements.

Toastmasters meet Tuesday

The Lunar Nooner Chapter of Toastmasters meets each Tuesday at 11:30 a.m. in the cafeteria of Bldg. 4610.

Retirement reception for Axel Roth is Aug. 12

A reception honoring Axel Roth, former Marshall Center associate director, will be held from 3:30 to 5 p.m. Aug. 12 in Bldg. 4316. Roth retired July 2 after 44 years with NASA. Tickets are \$5 if purchased before Aug. 10; \$7 after that date. Team members may purchase tickets from their administrative officer. Retirees may contact AnneMarie Hall at 544-1920 for tickets.

Marshall leadership symposium set for Aug. 24

The Marshall Center will host a day-long leadership symposium at the Von Braun Center in Huntsville on Aug. 24. The event will focus on developing strong leaders who have the knowledge and skills to positively impact their society. For registration information, go to <http://mi.msfc.nasa.gov/Leadership/index.html>

Redstone Arsenal approves gear for motorcycle riders

The reflective gear listed on the following Web pages has been reviewed and approved for daytime use by motorcycle riders on Redstone Arsenal by Maj. Art Riley, Redstone Arsenal police. The Web sites are: <http://www.tesco-shopping.com/protexionplus.htm>. <http://www.get2buynow.com/workshop/reflectivesafetytape.html> <http://www.reflexsafety.com/proddet.php?IDArt=800>

Pre-season meeting of MARS Coed Volleyball Club is Aug. 19

The MARS Coed Volleyball Club will hold its pre-season organizational meeting at noon on Aug. 19, in the east wing meeting room of the Exchange Health Club. Players interested in participating should attend. Call Dennis Gallagher at 961-7687 for more information.

NASA official Jennings to speak at Marshall luncheon

James Jennings, associate deputy administrator for Institutions and Management, will speak at 11:30 a.m., Aug. 18 at the Marshall Association luncheon at the Redstone Arsenal Officers' and Civilians' Club. Jennings will discuss NASA's culture change and One NASA. Winners of the Marshall Association's 2004 College Scholarships will also be announced. Cost is \$10 and may be paid at the door. For reservations, call Roslin Hicks at 544-7795 by Aug. 11.

Owen Johnson appointed Flag Protocol Officer at Marshall

Owen Johnson, manager of Marshall's Protective Services Department, will serve as the Flag Protocol Officer at Marshall. In this position, Johnson will make all decisions regarding use of the United States flag.

MARS Tennis Club sponsors open mixed doubles tournament

The MARS Tennis Club will hold an open mixed doubles tournament at 8 a.m. Saturday at the tennis courts on Gemini Road on Redstone Arsenal. Club members may bring guests during an open tournament at a cost of \$3 per guest. Call Bernice Bowling at 544-0453 to sign up.

Traffic and parking reminders while at the Marshall Center

Redstone Arsenal and Marshall Center officials remind team members and visitors to obey all the Center's traffic and parking rules. Parking at the Center is permitted only in designated spaces which are identified by a painted space, a bumper block, curb markings, or signs authorizing parking. Parking is prohibited in all other spaces, such as shoulders of a roadway, seeded areas and unmarked spaces adjacent to buildings.

Classified Ads

Miscellaneous

- ★ Child's bed, blue metal frame w/ mattress, \$60. 881-8674
- ★ King size solid Cherry 4-poster bed, high headboard, low footboard, detailed carving, \$700. 759-1494
- ★ Whirlpool dryer, heavy duty, \$50. 479-2651
- ★ Forty-two videos, Disney, Rescue Heroes, Scooby Doo, Rocky & Bullwinkle, \$1 to \$5 each. 256-757-0469
- ★ 1997 Cavalier mobile home, to be moved, 16x80, 3-bedroom, 2-bath, stove, refrigerator, heating/air, \$17,500. 256-776-5095
- ★ Antique Oak dresser w/beveled mirror, can deliver, \$425. 325-6000
- ★ Oster A5 Turbo 2-speed professional animal clippers, new, never used, \$150. 931-993-7768 after 6 p.m.
- ★ Yamaha FG420 acoustic guitar w/case, \$200. 859-4122
- ★ Formal sofa, cream tapestry upholstery w/hummingbird design, \$300. 883-5543
- ★ Canopy glider swing, three green striped cushions, \$65; two canopy frames, double bed size. 837-6776
- ★ Chevrolet engine, 350, \$125; automatic transmission, Chevrolet 350, \$50; both need rebuilding. 256-565-9806
- ★ Craftsman-Troybilt chipper/shredder, 15 hrs. use, takes 3" limbs, \$295. 880-2290
- ★ Dell 4600, P4 2.8GHz, 80Gb HD, 512MB RAM, 128Mb graphics, CD-RW, DVD-Rom, \$525. 489-8421
- ★ Bendix electric range, 30", all-white, push button temperature control. 852-5446
- ★ Italian leather AlpineStars motorcycle riding boots, blue/white, size 10 men's, \$125. 337-5825
- ★ Milling machine, 9x42 table, 3 axis DRO, phase converter, 6" vise, tools, \$2,900. 971-0571
- ★ GE washer, \$100; Roper dryer, \$90. 837-6649
- ★ King waterbed mattress, heaters, conditioner, \$50; lawn drop feeder, \$7. 828-6213

- ★ U-haul type trailer, enclosed, 4x4x6, newly painted, good tires, new electrical system, carpeted, \$500. 651-0439
- ★ Audiobahn 12" subs, 750 watts, \$350; Halo angel eyes headlights for 94-97 Honda Accord, \$150. 830-6584
- ★ HP Laserjet III w/letter & legal paper trays, low page count, \$50. 765-532-4218
- ★ Membership to Lily Flagg Club, pool/tennis, in SE Huntsville. 883-9361
- ★ Black plastic toolbox for small pickup truck, \$20. 256-355-6984
- ★ Kitchen table, 4 chairs, \$50; Sears Lifestyler exercise equipment, \$100; sewing cabinet, \$20. 256-722-8570

Vehicles

- ★ 1954 Airstream Overlander travel trailer, 26', interior recently refurbished, \$5,000. 256-714-6609/Dan
- ★ 1999 Mercury Grand Marquis, all-leather, 120K miles, \$9,500. 426-3203
- ★ 1999 Jeep Wrangler Sport, 4.0L, 82K miles, \$12,500. 303-6033
- ★ 2001 Ford Explorer Sport Trac, white, leather, cd, new tires & front brakes. 961-7043
- ★ 2001 Ford Mustang GT, black w/leather seats, 47K miles, 5-speed, loaded, \$14,500. 828-7337
- ★ 1991 Toyota Camry, blue, 210K miles, well-maintained, \$2,000. 880-0150
- ★ 1991 Honda Accord EX, 2-door, pw/pd/pm, sunroof, automatic, cold air, needs transmission, \$900 firm. 881-8009
- ★ 2000 Ford Ranger, extended cab, 4x4, side step, 30K actual miles, \$12,000. 256-228-4784
- ★ 1991 Toyota Camry DX, 4-door, 168K miles, \$2,800. 256-532-5913
- ★ 1997 Pontiac Grand am SE, 4-door. 351-9467
- ★ 2004 Chevy Trailblazer, white, am/fm, cd/ cassette, anti-theft, tint, 12.6K miles, \$22,995. 864-2629
- ★ 2000 Ford Taurus SE, 56K miles, auto, a/c, cd player, ps/pb, power seat, \$6,300. 353-3229
- ★ Gulfstream, 36', 24K miles, generator,

- jacks, vcr, camera, awning, bath, kitchen, bedroom, \$42,000. 256-931-0177
- ★ 2001 Hyundai Santa Fe, 55K miles, 10/100K warranty. 227-2148/Decatur
- ★ 1974 MGB convertible, red w/black interior and top, last model w/chrome bumpers, \$5,000. 489-0797
- ★ 1997 Ford Explorer XLT, v6, 2wd, 4-door, blue/gray leather, loaded, one-owner, 106K miles, \$6,900. 464-9700
- ★ 1999 Mitsubishi Galant ES, 4-cyl., automatic, 59K miles, \$5,450. 256-828-2643
- ★ 2001 Honda Odyssey EX, 79K miles, \$17,400. 880-9385
- ★ 1987 Bonneville, auto, air, cruise, 4-door, \$800. 348-7146
- ★ 1967 Chevy pickup, LWB, 6-cyl., 3-speed, new tires, shocks, oil pump, heater core, \$700. 714-4826
- ★ 2002 Jeep Liberty, less than 25K miles, maroon, \$16,000. 256-351-0468/Decatur
- ★ 1986 Nissan D-21 long-bed pickup truck, automatic, one-owner, 146K miles. 852-5900

Wanted

- ★ Bunk beds, wooden, in good condition, prefer twin/full if possible. 784-5299
- ★ Bristol tickets to the Aug. 28th night race. 479-4751
- ★ Very old Marshall Star issues, 1960s. 797-7829

Lost

- ★ Gold rope chain w/tossed gold pendant, vicinity of the Bldg. 4200 complex, very sentimental, reward. 679-4206/Cell
- ★ Ladies Anne Klein gold watch with gold mesh band in Bldg. 4200 complex. 544-0775

Free

- ★ Canon BCI-21 black & color cartridge for Series 2000, Multipass 2500 printers. 325-8311
- ★ Kittens, litter box trained. 256-753-2308

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